

POLLUTANT: 3 Opacity SOURCE: Unit 3 EPISODE: Opacity Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Mins. | Reason                              |
|---------------------------------|-----------------|-----------------|-------------------------------------|
| 07/01/12 00:30 - 07/01/12 00:47 |                 | 18              | Preventative Maintenance Activities |
| 09/03/12 21:06 - 09/03/12 21:17 |                 | 12              | Preventative Maintenance Activities |
| 09/06/12 07:12 - 09/06/12 07:17 |                 | 06              | Preventative Maintenance Activities |
| 09/18/12 13:12 - 09/18/12 14:17 |                 | 66              | Quality Assurance Activities        |
| 09/27/12 09:48 - 09/27/12 09:53 |                 | 06              | Preventative Maintenance Activities |
| 09/29/12 08:54 - 09/29/12 09:47 |                 | 54              | Communication Error                 |

TOTAL DURATION = 2.7 Hours



Company Name: SRP - Navajo, Unit 3  
Address: Navajo Generating Station Page, AZ 86040  
Unit Description: coal-fired cyclonic boiler power plant


Total source operating time in reporting period: **2207.1 hours**

| Emission Data Summary(note 1 )                    |       | CEMS Downtime Summary(note 1 )                 |      |
|---|-------|--|------|
| 1. Duration of excess emissions in period due to: |       | 1. Duration of CEMS downtime in period due to: |      |
| a. Start Up/Shut Down.....                        | 0.0   | a. Monitoring Equipment Malfunction.....       | 0.0  |
| b. Control Equipment Failure.....                 | 0.0   | b. Non-Monitoring Equipment Malfunction...     | 0.0  |
| c. Process Problems.....                          | 0.0   | c. Quality Assurance.....                      | 2.0  |
| d. Exempt (Wet Stack - Scrubber Operation)        | 0.0   | d. Other Known Monitor Downtime Cause.....     | 3.0  |
| e. UnKnown Excess Emissions Cause.....            | 0.0   | e. UnKnown Monitor Downtime Cause.....         | 0.0  |
| 2. Total duration of excess emission.....         | 0.0   | 2. Total duration of CEMS downtime.....        | 5.0  |
| 3. Excess emission duration (%).....              | 0.00% | 3. CEMS downtime (%).....                      | 0.2% |

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statment(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: 

Title: Air Quality Environmental Engineer

Date: 10-30-12



Emission Limit: 1.0 lb/mmBTU, 3 hr. plant wide average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



Emission Limit: 0.1 lb/mmBTU, 365 BOD rolling average

| Date and Time Period | Magnitude | Reason |
|----------------------|-----------|--------|
|----------------------|-----------|--------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 3 SO2 ppm SOURCE: Unit 3 EPISODE: SO2 Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                          |
|---------------------------------|-----------------|----------------|---------------------------------|
| 08/13/12 12:00 - 08/13/12 12:59 |                 | 1              | DAHS Malfunction                |
| 08/20/12 11:00 - 08/20/12 11:59 |                 | 1              | Analyzer Replacement Activities |
| 08/21/12 12:00 - 08/21/12 12:59 |                 | 1              | Quality Assurance Activities    |
| 09/12/12 13:00 - 09/12/12 14:59 |                 | 2              | Quality Assurance Activities    |

Total Duration = 5.0 hrs



POLLUTANT: 3 CO2 cor SOURCE: Unit 3 EPISODE: CO2 Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                          |
|---------------------------------|-----------------|----------------|---------------------------------|
| 08/13/12 12:00 - 08/13/12 12:59 |                 | 1              | DAHS Malfunction                |
| 08/20/12 11:00 - 08/20/12 11:59 |                 | 1              | Analyzer Replacement Activities |
| 08/21/12 12:00 - 08/21/12 12:59 |                 | 1              | Quality Assurance Activities    |
| 09/12/12 13:00 - 09/12/12 14:59 |                 | 2              | Quality Assurance Activities    |

Total Duration = 5.0 hrs

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Emission Limit: 0.24 lb/mmBTU, 30 Day rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 3 NOx cor SOURCE: Unit 3 EPISODE: NOx Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                          |
|---------------------------------|-----------------|----------------|---------------------------------|
| 08/13/12 12:00 - 08/13/12 12:59 |                 | 1              | DAHS Malfunction                |
| 08/20/12 11:00 - 08/20/12 11:59 |                 | 1              | Analyzer Replacement Activities |
| 08/21/12 12:00 - 08/21/12 12:59 |                 | 1              | Quality Assurance Activities    |
| 09/12/12 13:00 - 09/12/12 14:59 |                 | 2              | Quality Assurance Activities    |

Total Duration = 5.0 hrs

11 12 13 14 15 16 17 18 19 20 21 22 23 24

SRP - Navajo, Unit 3  
Navajo Generating Station  
Page, AZ 86040

Start: 07/01/2012 00:00  
End: 09/30/2012 23:59

Emission Limit: 0.23 lb/mmBTU, 30 Day rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



Emission Limit: 0.15 lb/mmBTU, 12-Month rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 3 CO cor SOURCE: Unit 3 EPISODE: CO Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                          |
|---------------------------------|-----------------|----------------|---------------------------------|
| 08/13/12 12:00 - 08/13/12 12:59 |                 | 1              | DAHS Malfunction                |
| 08/20/12 11:00 - 08/20/12 11:59 |                 | 1              | Analyzer Replacement Activities |
| 08/21/12 12:00 - 08/21/12 12:59 |                 | 1              | Quality Assurance Activities    |
| 09/12/12 13:00 - 09/12/12 14:59 |                 | 2              | Quality Assurance Activities    |

Total Duration = 5.0 hrs







NAVAJO GENERATING STATION

EXCESS EMISSIONS REPORT

FOURTH QUARTER, 2012



January 23, 2013

Dr. Deborah Jordon, Director  
Air Division  
Environmental Protection Agency  
Region IX (AIR-1)  
75 Hawthorne Street  
San Francisco, California 94105

Mr. Steven Etsitty, Executive Director  
Navajo Environmental Protection Administration  
P.O. Box 339  
Window Rock, Arizona 86515

RE: Navajo Generating Station FIP – 40 CFR §49.24, Title V Permit to Operate No. NN-ROP-05-06 and PSD Permit Number AZ 08-01 Quarterly Emission Report

Dear Dr. Jordon and Mr. Etsitty:

Enclosed is the Fourth Quarter 2012 emissions report for Navajo Generating Station. The report contains the following information:

- Daily electrical energy generated in megawatt-hours (permit condition II.B.5.b).
- Sulfur dioxide and carbon dioxide information according to the procedures set forth at 40 CFR 60.7 and permit condition II.B.5.a;
- Identification of periods when opacity values exceeded 20 %, excluding condensed uncombined water droplets over any 6-minute period, and 40% averaged over 6 minutes, during absorber upset transition periods.
- Identification of periods when sulfur dioxide emissions exceeded 1.0 lb/mmBTU as a plantwide 3-hour average, and a CEMS data assessment according to the procedures set forth at 40 CFR §49.24(d)(1) of NGS FIP.
- Nitrogen Oxide and Carbon Monoxide information according to PSD Permit Number AZ 08-01A, condition IX.C.5



January 23, 2015

With respect to the opacity data presented in the report, please note that 6-minute opacity readings are not individually listed during scrubber operations because the saturated stack conditions impedes the accuracy of the readings. The report identifies the block time periods for each unit that the scrubbers were operational and the stacks were saturated, in lieu of reporting the individual 6-minute wet stack readings.

Please contact Paul Ostapuk at (928) 645-6577 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Talbot', written in a cursive style.

Robert K. Talbot  
Plant Manager / Alternate Designated Representative

Enclosures

cc: Barbara Sprungl, SRP – Manager Air Quality & Lab Services  
Environmental File



Sumner



# CEM EXCESS EMISSION REPORT

Salt River Project  
Navajo Generating Station  
Page, Arizona

UNIT # 1, 2, 3

YEAR 2012

QUARTER FOURTH

This report is in accordance with reporting requirements set forth in the NGS FIP – 40 CFR §49.24, Title V Permit to Operate, Permit No. NN-ROP 05-06, Section II.B.5 and PSD Permit Number AZ 08-01A, Condition IX.G.5.

Emission standards in this report are in accordance with the NGS FIP – 40 CFR §49.24 sections (d)(1), (d)(3), (d)(4), (e)(8), Title V Permit to Operate, NN-ROP-05-06 Section II.B.2 and PSD Permit Number AZ 08-01A Conditions IX.B.1 and IX.B.2

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EXCESS EMISSIONS FOR QUARTER: No excess were emissions observed  
(see attached summary)



CEM SUMMARY SHEET  
THIRD QUARTER OF 2012

|                               | <u>UNIT 1</u> | <u>UNIT 2</u> | <u>UNIT 3</u> |
|-------------------------------|---------------|---------------|---------------|
| # Hours of I.D. Fan Operation | 2151.0 hrs    | 2208.0 hrs    | 2076.9 hrs    |
| # Hours Boiler Operation      | 2141.8 hrs    | 2208.0 hrs    | 2061.4 hrs    |
| Opacity Monitor Availability  | 99.94 %       | 99.94%        | 99.95%        |
| SO2 #/mmBTU Availability      | 99.86 %       | 99.82%        | 99.61%        |
| NOx #/mmBTU Availability      | 99.86 %       | 99.82%        | 99.61%        |
| CO #/mmBTU Availability       | 99.86 %       | 99.82%        | 99.61 %       |
| Opacity Emission >20% (6-Min) | 0.0 hrs       | 0.0 hrs       | 0.0 hrs       |
| % Operating Time              | 0.00 %        | 0.00%         | 0.00%         |
| Opacity Emission >40% (6-Min) | 0.0 hrs       | 0.0 hrs       | 0.0 hrs       |
| % Operating Time              | 0.00 %        | 0.00%         | 0.00%         |
| SO2 #/mmBTU > 0.1 (365BOD)    | 0.0 days      | 0.0 days      | 0.0 days      |
| % Operating Time              | 0.00 %        | 0.00%         | 0.00%         |
| SO2 #/mmBTU >1.0 (3Hr)        | 0.0 days      | 0.0 days      | 0.0 days      |
| % Operating Time              | 0.0 %         | 0.0 %         | 0.0 %         |
| NOx #/mmBTU >0.24 (30D)       | 0.0 days      | 0.0 days      | 0.0 days      |
| % Operating Time              | 0.0 %         | 0.0 %         | 0.0 %         |
| CO #/mmBTU >0.23 (30D)        | 0.0 days      | 0.0 days      | 0.0 days      |
| % Operating Time              | 0.0 %         | 0.0 %         | 0.0 %         |
| CO #/mmBTU >0.15 (12M)        | 0.0 days      | 0.0 days      | 0.0 days      |
| % Operating Time              | 0.0 %         | 0.0 %         | 0.0 %         |



NAVASO GENERATING STATION  
CEMS MONITOR LISTING

Teledyne Monitor Labs Inc.  
Opacity Monitor  
Model Lighthawk 560

Teledyne Monitor Labs Inc.  
Flow Monitor  
Ultra Flow 100

Thermo Environmental Sulfur Dioxide Monitor  
Model 43i

Thermo Environmental CO<sub>2</sub> Monitor  
Model 410i

Thermo Environmental NO<sub>x</sub> Monitor  
Model 42i

Thermo Environmental CO Monitor  
Model 48i



1  
H  
M



- Daily Electric Energy Report
- Opacity Excess Emission and Monitoring System Performance
- Excess Wet Opacity Report
- Excess Dry Opacity Report
- Opacity Downtime Report
- SO<sub>2</sub> Excess Emission and Monitoring System Performance
- SO<sub>2</sub> Excess Emission Report – 1.0 lb/mmBTU
- SO<sub>2</sub> Excess Emission Report – 0.1 lb/mmBTU
- SO<sub>2</sub> Downtime Report
- CO<sub>2</sub> Downtime Report
- NO<sub>x</sub> Excess Emission Report
- NO<sub>x</sub> Downtime Report
- CO Excess Emission Report- 30-Day
- CO Excess Emission Report- 12-Month
- CO Downtime Report



40 CH 02.140.0.0.m Daily Electric Energy Report  
Gigawatt Hours

Source: Unit 1 Channel: 1 GW365

Report for 10/01/2012 thru 12/31/2012

| Date     | Gigawatts | Date     | Gigawatts | Date     | Gigawatts |
|----------|-----------|----------|-----------|----------|-----------|
| 10/01/12 | 11.38     | 11/01/12 | 18.53     | 12/01/12 | 14.04     |
| 10/02/12 | 10.99     | 11/02/12 | 18.53     | 12/02/12 | 13.94     |
| 10/03/12 | 11.14     | 11/03/12 | 15.96     | 12/03/12 | 13.70     |
| 10/04/12 | 11.35     | 11/04/12 | 12.91     | 12/04/12 | 14.42     |
| 10/05/12 | 11.06     | 11/05/12 | 15.12     | 12/05/12 | 14.76     |
| 10/06/12 | 11.21     | 11/06/12 | 17.09     | 12/06/12 | 15.55     |
| 10/07/12 | 11.33     | 11/07/12 | 17.59     | 12/07/12 | 15.50     |
| 10/08/12 | 11.18     | 11/08/12 | 17.14     | 12/08/12 | 13.34     |
| 10/09/12 | 13.68     | 11/09/12 | 15.84     | 12/09/12 | 15.62     |
| 10/10/12 | 17.26     | 11/10/12 | 15.31     | 12/10/12 | 17.21     |
| 10/11/12 | 13.92     | 11/11/12 | 15.17     | 12/11/12 | 17.76     |
| 10/12/12 | -----     | 11/12/12 | 17.50     | 12/12/12 | 17.42     |
| 10/13/12 | 14.11     | 11/13/12 | 16.82     | 12/13/12 | 17.62     |
| 10/14/12 | 12.96     | 11/14/12 | 16.73     | 12/14/12 | 16.85     |
| 10/15/12 | 13.61     | 11/15/12 | 16.30     | 12/15/12 | 19.32     |
| 10/16/12 | 13.06     | 11/16/12 | 15.22     | 12/16/12 | 18.89     |
| 10/17/12 | 13.63     | 11/17/12 | 17.40     | 12/17/12 | 16.51     |
| 10/18/12 | 14.30     | 11/18/12 | 18.26     | 12/18/12 | 15.24     |
| 10/19/12 | -----     | 11/19/12 | 17.71     | 12/19/12 | 17.11     |
| 10/20/12 | 15.58     | 11/20/12 | 17.50     | 12/20/12 | -----     |
| 10/21/12 | 15.89     | 11/21/12 | 16.30     | 12/21/12 | -----     |
| 10/22/12 | 15.60     | 11/22/12 | 16.27     | 12/22/12 | -----     |
| 10/23/12 | 14.18     | 11/23/12 | 17.45     | 12/23/12 | -----     |
| 10/24/12 | 13.25     | 11/24/12 | 16.61     | 12/24/12 | -----     |
| 10/25/12 | 12.89     | 11/25/12 | 14.90     | 12/25/12 | 17.64     |
| 10/26/12 | 15.12     | 11/26/12 | 14.95     | 12/26/12 | 16.42     |
| 10/27/12 | 15.12     | 11/27/12 | 14.64     | 12/27/12 | 18.07     |
| 10/28/12 | 14.86     | 11/28/12 | 14.38     | 12/28/12 | 18.31     |
| 10/29/12 | 15.86     | 11/29/12 | 13.58     | 12/29/12 | 17.93     |
| 10/30/12 | 18.70     | 11/30/12 | 12.91     | 12/30/12 | 17.81     |
| 10/31/12 | 18.50     |          |           | 12/31/12 | 17.59     |

----- Invalid Boiler Operating Day



Pollutant: Opacity / "1 Opacity"  
Emission Limit: 40

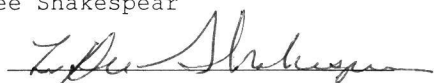
Company Name: SRP - Navajo, Unit 1  
Address: Navajo Generating Station Page, AZ 86040  
Unit Description: coal-fired cyclonic boiler power plant

Total source operating time in reporting period: 2151.0 hours

| Emission Data Summary(note 1 )  |        | CEMS Downtime Summary(note 1 )                 |       |
|---|--------|--|-------|
| 1. Duration of excess emissions in period due to:   |        | 1. Duration of CEMS downtime in period due to: |       |
| a. Start Up/Shut Down.....  | 0.0    | a. Monitoring Equipment Malfunction.....       | 0.0   |
| b. Control Equipment Failure.....   | 0.0    | b. Non-Monitoring Equipment Malfunction...     | 0.3   |
| c. Process Problems.....  | 0.0    | c. Quality Assurance.....                      | 0.9   |
| d. Exempt (Wet Stack - Scrubber Operation)  | 2151.0 | d. Other Known Monitor Downtime Cause.....     | 0.0   |
| e. UnKnown Excess Emissions Cause.....  | 0.0    | e. UnKnown Monitor Downtime Cause.....         | 0.0   |
| 2. Total duration of excess emission.....   | 0.0    | 2. Total duration of CEMS downtime.....        | 1.2   |
| 3. Excess emission duration (%).....  | 0.00%  | 3. CEMS downtime (%).....                      | 0.06% |
| Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time. |        |  |       |

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: 

Title: Air Quality Environmental Engineer

Date: 1-23-13



POLLUTANT: 1 Opacity SOURCE: Unit 1 EPISODE: Opacity Over Limit

| Incident<br>Start               | Incident<br>End | Length<br>Hours | Reason                 | Action |
|---------------------------------|-----------------|-----------------|------------------------|--------|
| 10/01/12 00:00 - 12/21/12 08:47 |                 | 1952.8          | Wet Scrubber Operation | Exempt |
| 12/23/12 17:45 - 12/31/12 23:59 |                 | 186.2           | Wet Scrubber Operation | Exempt |

Total Duration: 2151.0 Hours



SRP - Navajo, Unit 1  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

POLLUTANT: 1 Opacity SOURCE: Unit 1 EPISODE: Opacity Over Limit

| Incident<br>Start | Incident<br>End | Length<br>Hours | Reason |
|-------------------|-----------------|-----------------|--------|
|-------------------|-----------------|-----------------|--------|

Total Duration 0.0 Hours



POLLUTANT: 1 Opacity SOURCE: Unit 1 EPISODE: Opacity Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Mins. | Reason                              |
|---------------------------------|-----------------|-----------------|-------------------------------------|
| 10/02/12 09:06 - 10/02/12 09:11 |                 | 06              | Preventative Maintenance Activities |
| 11/29/12 14:06 - 11/29/12 14:17 |                 | 12              | Preventative Maintenance Activities |
| 12/27/12 08:54 - 12/27/12 09:47 |                 | 54              | Quality Assurance Activities        |

TOTAL DURATION = 1.2 Hours



Pollutant: SO2 lb/mmBTU (365 Boiler Operating Day rolling average)

Emission Limit: 0.1

Company Name: SRP - Navajo, Unit 1

Address: Navajo Generating Station Page, AZ 86040

Unit Description: coal-fired cyclonic boiler power plant

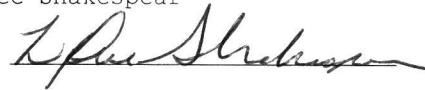
Total source operating time in reporting period: 2141.8 hours

| Emission Data Summary(note 1 )  |       | CEMS Downtime Summary(note 1 )                 |      |
|---|-------|--|------|
| 1. Duration of excess emissions in period due to:   |       | 1. Duration of CEMS downtime in period due to: |      |
| a. Start Up/Shut Down.....  | 0.0   | a. Monitoring Equipment Malfunction.....       | 0.0  |
| b. Control Equipment Failure.....   | 0.0   | b. Non-Monitoring Equipment Malfunction...     | 1.0  |
| c. Process Problems.....  | 0.0   | c. Quality Assurance.....                      | 2.0  |
| d. Exempt (Wet Stack - Scrubber Operation)  | 0.0   | d. Other Known Monitor Downtime Cause.....     | 0.0  |
| e. UnKnown Excess Emissions Cause.....  | 0.0   | e. UnKnown Monitor Downtime Cause.....         | 0.0  |
| 2. Total duration of excess emission.....   | 0.0   | 2. Total duration of CEMS downtime.....        | 3.0  |
| 3. Excess emission duration (%).....  | 0.00% | 3. CEMS downtime (%).....                      | 0.1% |
| Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time. |       |  |      |

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature:



Title: Air Quality Environmental Engineer

Date:

1-23-13



SRP - Navajo, Unit 1  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

Emission Limit: 1.0 lb/mmBTU, 3 hr. plant wide average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



SRP - Navajo, Unit 1  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

Emission Limit: 0.1 lb/mmBTU, 365 BOD rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 1 SO2 ppm SOURCE: Unit 1 EPISODE: SO2 Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                       |
|---------------------------------|-----------------|----------------|------------------------------|
| 11/28/12 08:00 - 11/28/12 08:59 |                 | 1              | Quality Assurance Activities |
| 11/28/12 12:00 - 11/28/12 12:59 |                 | 1              | Quality Assurance Activities |
| 12/21/12 00:00 - 12/21/12 00:59 |                 | 1              | DAHS Communications Failure  |

Total Duration = 3.0 hrs



POLLUTANT: 1 CO2 cor SOURCE: Unit 1 EPISODE: CO2 Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                       |
|---------------------------------|-----------------|----------------|------------------------------|
| 11/28/12 08:00 - 11/28/12 08:59 |                 | 1              | Quality Assurance Activities |
| 11/28/12 12:00 - 11/28/12 12:59 |                 | 1              | Quality Assurance Activities |
| 12/21/12 00:00 - 12/21/12 00:59 |                 | 1              | DAHS Communications Failure  |

Total Duration = 3.0 hrs



SRP - Navajo, Unit 1  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

Emission Limit: 0.24 lb/mmBTU, 30 Day rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



SRP - Navajo, Unit 1  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

POLLUTANT: 1 NOx cor SOURCE: Unit 1 EPISODE: NOx Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                       |
|---------------------------------|-----------------|----------------|------------------------------|
| 11/28/12 08:00 - 11/28/12 08:59 |                 | 1              | Quality Assurance Activities |
| 11/28/12 12:00 - 11/28/12 12:59 |                 | 1              | Quality Assurance Activities |
| 12/21/12 00:00 - 12/21/12 00:59 |                 | 1              | DAHS Communications Failure  |

Total Duration = 3.0 hrs



SRP - Navajo, Unit 1  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

Emission Limit: 0.23 lb/mmBTU, 30 Day rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



SRP - Navajo, Unit 1  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

Emission Limit: 0.15 lb/mmBTU, 12-Month rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 1 CO cor SOURCE: Unit 1 EPISODE: CO Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                       |
|---------------------------------|-----------------|----------------|------------------------------|
| 11/28/12 08:00 - 11/28/12 08:59 |                 | 1              | Quality Assurance Activities |
| 11/28/12 12:00 - 11/28/12 12:59 |                 | 1              | Quality Assurance Activities |
| 12/21/12 00:00 - 12/21/12 00:59 |                 | 1              | DAHS Communications Failure  |

Total Duration = 3.0 hrs



2  
Pink



- Daily Electric Energy Report
- Opacity Excess Emission and Monitoring System Performance
  - Excess Wet Opacity Report
  - Excess Dry Opacity Report
  - Opacity Downtime Report
- SO<sub>2</sub> Excess Emission and Monitoring System Performance
  - SO<sub>2</sub> Excess Emission Report – 1.0 lb/mmBTU
  - SO<sub>2</sub> Excess Emission Report – 0.1 lb/mmBTU
  - SO<sub>2</sub> Downtime Report
- CO<sub>2</sub> Downtime Report
- NO<sub>x</sub> Excess Emission Report
  - NO<sub>x</sub> Downtime Report
- CO Excess Emission Report- 30-Day
  - CO Excess Emission Report- 12-Month
  - CO Downtime Report



40 CH 02: 140.0.0.0 Daily Electric Energy Report  
Gigawatt Hours

Source: Unit 2 Channel: 2 GW365

Report for 10/01/2012 thru 12/30/2012

| Date     | Gigawatts | Date     | Gigawatts | Date     | Gigawatts |
|----------|-----------|----------|-----------|----------|-----------|
| 10/01/12 | 13.37     | 11/01/12 | 18.14     | 12/01/12 | 15.05     |
| 10/02/12 | 15.46     | 11/02/12 | 18.84     | 12/02/12 | 15.48     |
| 10/03/12 | 15.70     | 11/03/12 | 17.47     | 12/03/12 | 16.42     |
| 10/04/12 | 14.47     | 11/04/12 | 13.61     | 12/04/12 | 16.73     |
| 10/05/12 | 14.30     | 11/05/12 | 14.47     | 12/05/12 | 16.06     |
| 10/06/12 | 16.68     | 11/06/12 | 17.76     | 12/06/12 | 16.49     |
| 10/07/12 | 15.79     | 11/07/12 | 18.36     | 12/07/12 | 15.36     |
| 10/08/12 | 16.30     | 11/08/12 | 17.30     | 12/08/12 | 11.04     |
| 10/09/12 | 15.48     | 11/09/12 | 17.78     | 12/09/12 | 15.70     |
| 10/10/12 | 18.14     | 11/10/12 | 18.58     | 12/10/12 | 16.85     |
| 10/11/12 | 19.30     | 11/11/12 | 17.54     | 12/11/12 | 17.28     |
| 10/12/12 | 18.79     | 11/12/12 | 17.71     | 12/12/12 | 17.06     |
| 10/13/12 | 14.14     | 11/13/12 | 18.00     | 12/13/12 | 17.74     |
| 10/14/12 | 15.98     | 11/14/12 | 17.93     | 12/14/12 | 18.29     |
| 10/15/12 | 16.73     | 11/15/12 | 17.54     | 12/15/12 | 14.95     |
| 10/16/12 | 17.23     | 11/16/12 | 17.40     | 12/16/12 | 14.86     |
| 10/17/12 | 15.07     | 11/17/12 | 16.42     | 12/17/12 | 17.74     |
| 10/18/12 | 17.26     | 11/18/12 | 17.14     | 12/18/12 | 16.56     |
| 10/19/12 | 15.19     | 11/19/12 | 17.18     | 12/19/12 | 16.82     |
| 10/20/12 | 17.52     | 11/20/12 | 17.66     | 12/20/12 | 18.43     |
| 10/21/12 | 17.88     | 11/21/12 | 16.54     | 12/21/12 | 17.59     |
| 10/22/12 | 18.00     | 11/22/12 | 16.13     | 12/22/12 | 17.38     |
| 10/23/12 | 15.24     | 11/23/12 | 17.45     | 12/23/12 | 16.51     |
| 10/24/12 | 18.12     | 11/24/12 | 17.30     | 12/24/12 | 16.49     |
| 10/25/12 | 18.00     | 11/25/12 | 14.95     | 12/25/12 | 17.11     |
| 10/26/12 | 16.54     | 11/26/12 | 17.50     | 12/26/12 | 17.88     |
| 10/27/12 | 14.71     | 11/27/12 | 18.26     | 12/27/12 | 17.52     |
| 10/28/12 | 14.23     | 11/28/12 | 16.06     | 12/28/12 | 17.95     |
| 10/29/12 | 15.96     | 11/29/12 | 15.65     | 12/29/12 | 17.11     |
| 10/30/12 | 18.65     | 11/30/12 | 17.02     | 12/30/12 | 17.28     |
| 10/31/12 | 18.67     |          |           | 12/31/12 | 17.52     |

----- Invalid Boiler Operating Day



Pollutant: Opacity / "2 Opacity"  
Emission Limit: 40

Company Name: SRP - Navajo, Unit 2  
Address: Navajo Generating Station Page, AZ 86040  
Unit Description: coal-fired cyclonic boiler power plant

Total source operating time in reporting period: 2208.0 hours

| Emission Data Summary(note 1 )  |        | CEMS Downtime Summary(note 1 )                 |       |
|---|--------|--|-------|
| 1. Duration of excess emissions in period due to:   |        | 1. Duration of CEMS downtime in period due to: |       |
| a. Start Up/Shut Down.....  | 0.0    | a. Monitoring Equipment Malfunction.....       | 0.0   |
| b. Control Equipment Failure.....   | 0.0    | b. Non-Monitoring Equipment Malfunction...     | 0.5   |
| c. Process Problems.....  | 0.0    | c. Quality Assurance.....                      | 0.9   |
| d. Exempt (Wet Stack - Scrubber Operation)  | 2208.0 | d. Other Known Monitor Downtime Cause.....     | 0.0   |
| e. UnKnown Excess Emissions Cause.....  | 0.0    | e. UnKnown Monitor Downtime Cause.....         | 0.0   |
| 2. Total duration of excess emission.....   | 0.0    | 2. Total duration of CEMS downtime.....        | 1.4   |
| 3. Excess emission duration (%).....  | 0.00%  | 3. CEMS downtime (%).....                      | 0.06% |
| Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time. |        |  |       |

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: L Dee Shakespear

Title: Air Quality Environmental Engineer

Date: 1-23-13



POLLUTANT: 2 Opacity SOURCE: Unit 2 EPISODE: Opacity Over Limit

| Incident<br>Start | Incident<br>End | Length<br>Hours | Reason                 | Action |
|-------------------|-----------------|-----------------|------------------------|--------|
| 10/01/12 00:00    | 12/31/12 23:59  | 2208.0          | Wet Scrubber Operation | Exempt |

Total Duration: 2208.0 Hours



POLLUTANT: 1 Opacity SOURCE: Unit 2 EPISODE: Opacity Over Limit

| Incident<br>Start | Incident<br>End | Length<br>Hours | Reason |
|-------------------|-----------------|-----------------|--------|
|-------------------|-----------------|-----------------|--------|

Total Duration 0.0 Hours



POLLUTANT: 2 Opacity SOURCE: Unit 2 EPISODE: Opacity Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Mins. | Reason                              |
|---------------------------------|-----------------|-----------------|-------------------------------------|
| 10/31/12 13:42 - 10/31/12 13:53 |                 | 12              | Preventative Maintenance Activities |
| 11/29/12 13:18 - 11/29/12 13:29 |                 | 12              | Preventative Maintenance Activities |
| 12/20/12 14:42 - 12/20/12 14:47 |                 | 06              | Preventative Maintenance Activities |
| 12/27/12 10:30 - 12/27/12 11:23 |                 | 54              | Quality Assurance Activities        |

TOTAL DURATION = 1.4 Hours



Pollutant: SO2 lb/mmBTU (365 Boiler Operating Day rolling average)

Emission Limit: 0.1

Company Name: SRP - Navajo, Unit 2

Address: Navajo Generating Station Page, AZ 86040

Unit Description: coal-fired cyclonic boiler power plant

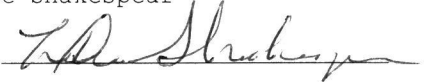
Total source operating time in reporting period: 2208.0 hours

| Emission Data Summary(note 1 )                    |       | CEMS Downtime Summary(note 1 )                 |      |
|---|-------|--|------|
| 1. Duration of excess emissions in period due to: |       | 1. Duration of CEMS downtime in period due to: |      |
| a. Start Up/Shut Down.....                        | 0.0   | a. Monitoring Equipment Malfunction.....       | 0.0  |
| b. Control Equipment Failure.....                 | 0.0   | b. Non-Monitoring Equipment Malfunction...     | 0.0  |
| c. Process Problems.....                          | 0.0   | c. Quality Assurance.....                      | 4.0  |
| d. Exempt (Wet Stack - Scrubber Operation)        | 0.0   | d. Other Known Monitor Downtime Cause.....     | 0.0  |
| e. UnKnown Excess Emissions Cause.....            | 0.0   | e. UnKnown Monitor Downtime Cause.....         | 0.0  |
| 2. Total duration of excess emission.....         | 0.0   | 2. Total duration of CEMS downtime.....        | 4.0  |
| 3. Excess emission duration (%).....              | 0.00% | 3. CEMS downtime (%).....                      | 0.2% |

Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: 

Title: Air Quality Environmental Engineer

Date: 1-23-13



Emission Limit: 1.0 lb/mmBTU, 3 hr. plant wide average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



SRP - Navajo, Unit 2  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

Emission Limit: 0.1 lb/mmBTU, 365 BOD rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 2 SO2 ppm SOURCE: Unit 2 EPISODE: SO2 Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                       |
|---------------------------------|-----------------|----------------|------------------------------|
| 10/15/12 16:00 - 10/15/12 16:59 |                 | 1              | Quality Assurance Activities |
| 10/25/12 08:00 - 10/08/12 08:59 |                 | 1              | Quality Assurance Activities |
| 11/20/12 08:00 - 11/20/12 08:59 |                 | 1              | Quality Assurance Activities |
| 12/03/12 12:00 - 12/03/12 12:59 |                 | 1              | Quality Assurance Activities |

Total Duration = 4.0 hrs



POLLUTANT: 2 CO2 cor SOURCE: Unit 2 EPISODE: CO2 Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                       |
|---------------------------------|-----------------|----------------|------------------------------|
| 10/15/12 16:00 - 10/15/12 16:59 |                 | 1              | Quality Assurance Activities |
| 10/25/12 08:00 - 10/08/12 08:59 |                 | 1              | Quality Assurance Activities |
| 11/20/12 08:00 - 11/20/12 08:59 |                 | 1              | Quality Assurance Activities |
| 12/03/12 12:00 - 12/03/12 12:59 |                 | 1              | Quality Assurance Activities |

Total Duration = 4.0 hrs



Emission Limit: 0.24 lb/mmBTU, 30 Day rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 2 NOx cor SOURCE: Unit 2 EPISODE: NOx Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                       |
|---------------------------------|-----------------|----------------|------------------------------|
| 10/15/12 16:00 - 10/15/12 16:59 |                 | 1              | Quality Assurance Activities |
| 10/25/12 08:00 - 10/08/12 08:59 |                 | 1              | Quality Assurance Activities |
| 11/20/12 08:00 - 11/20/12 08:59 |                 | 1              | Quality Assurance Activities |
| 12/03/12 12:00 - 12/03/12 12:59 |                 | 1              | Quality Assurance Activities |

Total Duration = 4.0 hrs



Emission Limit: 0.23 lb/mmBTU, 30 Day rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



Emission Limit: 0.15 lb/mmBTU, 12-Month rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 2 CO cor SOURCE: Unit 2 EPISODE: CO Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                       |
|---------------------------------|-----------------|----------------|------------------------------|
| 10/15/12 16:00 - 10/15/12 16:59 |                 | 1              | Quality Assurance Activities |
| 10/25/12 08:00 - 10/08/12 08:59 |                 | 1              | Quality Assurance Activities |
| 11/20/12 08:00 - 11/20/12 08:59 |                 | 1              | Quality Assurance Activities |
| 12/03/12 12:00 - 12/03/12 12:59 |                 | 1              | Quality Assurance Activities |

Total Duration = 4.0 hrs



2

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- Daily Electric Energy Report
- Opacity Excess Emission and Monitoring System Performance
- Excess Wet Opacity Report
- Excess Dry Opacity Report
- Opacity Downtime Report
- SO<sub>2</sub> Excess Emission and Monitoring System Performance
- SO<sub>2</sub> Excess Emission Report – 1.0 lb/mmBTU
- SO<sub>2</sub> Excess Emission Report – 0.1 lb/mmBTU
- SO<sub>2</sub> Downtime Report
- CO<sub>2</sub> Downtime Report
- NO<sub>x</sub> Excess Emission Report
- NO<sub>x</sub> Downtime Report
- CO Excess Emission Report- 30-Day
- CO Excess Emission Report- 12-Month
- CO Downtime Report



40 CR 02.145.0.0.0 Daily Electric Energy Report  
Gigawatt Hours

Source: Unit 3 Channel: 3 GW365

Report for 10/01/2012 thru 12/31/2012

| Date     | Gigawatts | Date     | Gigawatts | Date     | Gigawatts |
|----------|-----------|----------|-----------|----------|-----------|
| 10/01/12 | 19.37     | 11/01/12 | -----     | 12/01/12 | 19.32     |
| 10/02/12 | 19.37     | 11/02/12 | -----     | 12/02/12 | 19.39     |
| 10/03/12 | 19.37     | 11/03/12 | 19.30     | 12/03/12 | 19.32     |
| 10/04/12 | 19.34     | 11/04/12 | 19.37     | 12/04/12 | 19.42     |
| 10/05/12 | 18.46     | 11/05/12 | 18.07     | 12/05/12 | 19.44     |
| 10/06/12 | 17.88     | 11/06/12 | 19.42     | 12/06/12 | 19.39     |
| 10/07/12 | 19.39     | 11/07/12 | 19.44     | 12/07/12 | 18.00     |
| 10/08/12 | 19.39     | 11/08/12 | 19.42     | 12/08/12 | 17.90     |
| 10/09/12 | 19.39     | 11/09/12 | 19.37     | 12/09/12 | 19.42     |
| 10/10/12 | 18.58     | 11/10/12 | 19.20     | 12/10/12 | 19.42     |
| 10/11/12 | 17.86     | 11/11/12 | 19.25     | 12/11/12 | 19.44     |
| 10/12/12 | 19.42     | 11/12/12 | 19.39     | 12/12/12 | 19.44     |
| 10/13/12 | 18.65     | 11/13/12 | 19.42     | 12/13/12 | 19.46     |
| 10/14/12 | 19.01     | 11/14/12 | 19.39     | 12/14/12 | 19.42     |
| 10/15/12 | 19.37     | 11/15/12 | 19.42     | 12/15/12 | 19.39     |
| 10/16/12 | -----     | 11/16/12 | 19.30     | 12/16/12 | 19.27     |
| 10/17/12 | 17.88     | 11/17/12 | 19.03     | 12/17/12 | 19.39     |
| 10/18/12 | 19.44     | 11/18/12 | 19.39     | 12/18/12 | 19.42     |
| 10/19/12 | -----     | 11/19/12 | 19.39     | 12/19/12 | 19.42     |
| 10/20/12 | -----     | 11/20/12 | 19.32     | 12/20/12 | 19.42     |
| 10/21/12 | -----     | 11/21/12 | 19.39     | 12/21/12 | 19.42     |
| 10/22/12 | -----     | 11/22/12 | 19.37     | 12/22/12 | 19.32     |
| 10/23/12 | -----     | 11/23/12 | 19.37     | 12/23/12 | 19.42     |
| 10/24/12 | 14.62     | 11/24/12 | 19.15     | 12/24/12 | 19.20     |
| 10/25/12 | 19.34     | 11/25/12 | 19.10     | 12/25/12 | 19.44     |
| 10/26/12 | 19.44     | 11/26/12 | 19.42     | 12/26/12 | 19.44     |
| 10/27/12 | 19.32     | 11/27/12 | 19.42     | 12/27/12 | 19.44     |
| 10/28/12 | 19.44     | 11/28/12 | 17.95     | 12/28/12 | 19.44     |
| 10/29/12 | -----     | 11/29/12 | 19.20     | 12/29/12 | 19.44     |
| 10/30/12 | -----     | 11/30/12 | 19.32     | 12/30/12 | 19.34     |
| 10/31/12 | -----     |          |           | 12/31/12 | 19.42     |

----- Invalid Boiler Operating Day



Pollutant: Opacity / "3 Opacity"  
Emission Limit: 40

Company Name: SRP - Navajo, Unit 3  
Address: Navajo Generating Station Page, AZ 86040  
Unit Description: coal-fired cyclonic boiler power plant

Total source operating time in reporting period: 2076.9 hours

| Emission Data Summary(note 1 )  |        | CEMS Downtime Summary(note 1 )                 |       |
|---|--------|--|-------|
| 1. Duration of excess emissions in period due to:   |        | 1. Duration of CEMS downtime in period due to: |       |
| a. Start Up/Shut Down.....  | 0.0    | a. Monitoring Equipment Malfunction.....       | 0.0   |
| b. Control Equipment Failure.....   | 0.1    | b. Non-Monitoring Equipment Malfunction...     | 0.0   |
| c. Process Problems.....  | 0.0    | c. Quality Assurance.....                      | 0.9   |
| d. Exempt (Wet Stack - Scrubber Operation)  | 2076.9 | d. Other Known Monitor Downtime Cause.....     | 0.2   |
| e. UnKnown Excess Emissions Cause.....  | 0.0    | e. UnKnown Monitor Downtime Cause.....         | 0.0   |
| 2. Total duration of excess emission.....   | 0.0    | 2. Total duration of CEMS downtime.....        | 1.1   |
| 3. Excess emission duration (%).....  | 0.00%  | 3. CEMS downtime (%).....                      | 0.05% |
| Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time. |        |  |       |

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statment(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: L Dee Shakespear

Title: Air Quality Environmental Engineer

Date: 1-23-13



POLLUTANT: 3 Opacity SOURCE: Unit 3 EPISODE: Opacity Over Limit

| Incident<br>Start               | Incident<br>End | Length<br>Hours | Reason                 | Action |
|---------------------------------|-----------------|-----------------|------------------------|--------|
| 10/01/12 00:00 - 10/20/12 02:35 |                 | 458.6           | Wet Scrubber Operation | Exempt |
| 10/22/12 23:11 - 10/30/12 11:02 |                 | 179.9           | Wet Scrubber Operation | Exempt |
| 11/02/12 01:31 - 12/31/12 23:59 |                 | 1438.5          | Wet Scrubber Operation | Exempt |

Total Duration: 2076.9 Hours



SRP - Navajo, Unit 3  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

POLLUTANT: 3 Opacity SOURCE: Unit 3 EPISODE: Opacity Over Limit

| Incident<br>Start | Incident<br>End | Length<br>Hours | Reason |
|-------------------|-----------------|-----------------|--------|
|-------------------|-----------------|-----------------|--------|

Total Duration 0.0 Hours



SRP - Navajo, Unit 3  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

POLLUTANT: 3 Opacity SOURCE: Unit 3 EPISODE: Opacity Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Mins. | Reason                              |
|---------------------------------|-----------------|-----------------|-------------------------------------|
| 11/29/12 09:30 - 11/29/12 09:41 |                 | 12              | Preventative Maintenance Activities |
| 12/27/12 15:00 - 12/27/12 15:53 |                 | 54              | Quality Assurance Activities        |

TOTAL DURATION = 1.10 Hours



Emission Limit: 0.1

Company Name: SRP - Navajo, Unit 3

Address: Navajo Generating Station Page, AZ 86040


Unit Description: coal-fired cyclonic boiler power plant

Total source operating time in reporting period: 2061.5 hours

| Emission Data Summary(note 1 )  |       | CEMS Downtime Summary(note 1 )                 |      |
|---|-------|--|------|
| 1. Duration of excess emissions in period due to:   |       | 1. Duration of CEMS downtime in period due to: |      |
| a. Start Up/Shut Down.....  | 0.0   | a. Monitoring Equipment Malfunction.....       | 0.0  |
| b. Control Equipment Failure.....   | 0.0   | b. Non-Monitoring Equipment Malfunction...     | 0.0  |
| c. Process Problems.....  | 0.0   | c. Quality Assurance.....                      | 1.0  |
| d. Exempt (Wet Stack - Scrubber Operation)  | 0.0   | d. Other Known Monitor Downtime Cause....      | 7.0  |
| e. UnKnown Excess Emissions Cause.....  | 0.0   | e. UnKnown Monitor Downtime Cause.....         | 0.0  |
| 2. Total duration of excess emission.....   | 0.0   | 2. Total duration of CEMS downtime.....        | 8.0  |
| 3. Excess emission duration (%).....  | 0.00% | 3. CEMS downtime (%).....                      | 0.4% |
| Total source operating time in reporting period: = Time in the Report Period minus the Process Down Episode Time. |       |  |      |

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statment(s) made in this document or its attachments may be punishable as a criminal offense."

Name: L Dee Shakespear

Signature: 

Title: Air Quality Environmental Engineer

Date: 1-23-13



Emission Limit: 1.0 lb/mmBTU, 3 hr. plant wide average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



Emission Limit: 0.1 lb/mmBTU, 365 BOD rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 3 SO2 ppm SOURCE: Unit 3 EPISODE: SO2 Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                              |
|---------------------------------|-----------------|----------------|-------------------------------------|
| 11/13/12 08:00 - 11/13/12 09:59 |                 | 2              | Preventative Maintenance Activities |
| 11/21/12 12:00 - 11/21/12 12:59 |                 | 1              | Quality Assurance Activities        |
| 12/19/12 14:00 - 12/19/12 18:59 |                 | 5              | Preventative Maintenance Activities |

Total Duration = 8.0 hrs



POLLUTANT: 3 CO2 cor SOURCE: Unit 3 EPISODE: CO2 Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                              |
|---------------------------------|-----------------|----------------|-------------------------------------|
| 11/13/12 08:00 - 11/13/12 09:59 |                 | 2              | Preventative Maintenance Activities |
| 11/21/12 12:00 - 11/21/12 12:59 |                 | 1              | Quality Assurance Activities        |
| 12/19/12 14:00 - 12/19/12 18:59 |                 | 5              | Preventative Maintenance Activities |

Total Duration = 8.0 hrs



Emission Limit: 0.24 lb/mmBTU, 30 Day rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 3 NOx cor SOURCE: Unit 3 EPISODE: NOx Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                              |
|---------------------------------|-----------------|----------------|-------------------------------------|
| 11/13/12 08:00 - 11/13/12 09:59 |                 | 2              | Preventative Maintenance Activities |
| 11/21/12 12:00 - 11/21/12 12:59 |                 | 1              | Quality Assurance Activities        |
| 12/19/12 14:00 - 12/19/12 18:59 |                 | 5              | Preventative Maintenance Activities |

Total Duration = 8.0 hrs



SRP - Navajo, Unit 3  
Navajo Generating Station  
Page, AZ 86040

Start: 10/01/2012 00:00  
End: 12/31/2012 23:59

Emission Limit: 0.23 lb/mmBTU, 30 Day rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



Emission Limit: 0.15 lb/mmBTU, 12-Month rolling average

| <u>Date and Time Period</u> | <u>Magnitude</u> | <u>Reason</u> |
|-----------------------------|------------------|---------------|
|-----------------------------|------------------|---------------|

No Excess Emission

Total Duration = 0.0 hrs



POLLUTANT: 3 CO cor SOURCE: Unit 3 EPISODE: CO Analyzer Downtime

| Incident<br>Start               | Incident<br>End | Length<br>Hrs. | Reason                              |
|---------------------------------|-----------------|----------------|-------------------------------------|
| 11/13/12 08:00 - 11/13/12 09:59 |                 | 2              | Preventative Maintenance Activities |
| 11/21/12 12:00 - 11/21/12 12:59 |                 | 1              | Quality Assurance Activities        |
| 12/19/12 14:00 - 12/19/12 18:59 |                 | 5              | Preventative Maintenance Activities |

Total Duration = 8.0 hrs







**NAVAJO GENERATING STATION**

P.O. Box 850  
Page, AZ 86040  
(928) 645-6217  
Fax (928) 645-7298

**ROBERT K. TALBOT**

Manager

July 30, 2012

Mr. Stephen B. Etsitty, Executive Director  
Navajo Nation Air Quality/Operating Permit Program  
Rt. 112 North, Bldg 2427  
P.O. Box 529  
Fort Defiance, AZ 86504

**Re: Navajo Generating Station  
Semiannual Monitoring Report  
Permit No. NN-ROP- 05-06**

Dear Mr. Etsitty:

As required by 40 CFR § 71.6(a)(3)(iii)(A), and Condition III.C.1 of the above referenced permit, please find enclosed the Semiannual Monitoring Report for Navajo Generating Station. Also enclosed is the required Certification of Truth, Accuracy, and Completeness.

Please feel free to contact me at (928) 645-6217 if you have any questions.

Sincerely,



Robert K. Talbot  
Manager

***Certified Mail***

cc: Roger Kohn, USEPA  
Barbara Sprungl, SRP



## **Attachment 1. Semiannual Monitoring Report**



**6-MONTH MONITORING REPORT (SIXMON)****Section A (General Information)**Permit No. NN-ROP-05-06Reporting Period: Beg. 01 / 01 / 2012 End. 06 / 30 / 2012Source / Company Name SRP Navajo Generating StationMailing Address: Street or P.O. Box P.O. Box 850City Page State AZ ZIP 86040 - Contact person Robert K. Talbot Title Plant ManagerTelephone ( 928 ) 645 - 6217 Ext. 

Continued on next page



# Monitoring Report)

Indicate whether a separate monitoring report is required, and if required, enter the date submitted. If submitted for the first time as an attachment to this form, assign an attachment ID, mark the report as required, and attach the report to this form.

| Monitoring, Data, or Analysis Required by the Permit  | Emission Units<br>(Unit IDs) | Separate<br>Monitoring<br>Report?                                      | Date of Submission                           |
|---|------------------------------|--|--|
| <p>emission monitoring for NO<sub>x</sub> (Condition 2 and Attachment A, Acid Rain Permit NN-07-01). Each unit is subject to an annual average of 10 lb/MMBtu pursuant to 40 CFR 76.8(d)(2) (NO<sub>x</sub> early election compliance plan).</p> <p>Monitoring reports demonstrating compliance with this requirement were submitted to EPA on the dates indicated.</p>   | U1, U2, U3                   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>Acid Rain Permit</p> <p>04 / 07 /</p>     |
| <p>emission monitoring for SO<sub>2</sub> (Condition 1 and Attachment A, Acid Rain Permit NN-07-01). Each unit is subject to an annual SO<sub>2</sub> allowance allocation.</p> <p>Monitoring reports demonstrating compliance with this requirement were submitted to EPA on the dates indicated.</p>  | U1, U2, U3                   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>Acid Rain Permit</p> <p>04 / 07 /</p>     |
| <p>emission monitoring for SO<sub>2</sub> (Conditions II.B.3, II.B.4, and II.B.5). The facility is subject to a plantwide rolling 365 boiler operating emission limit of 0.10 lb/MMBtu pursuant to Condition II.B.2 and 40 CFR 52.145(d)(2) (Visibility).</p> <p>Monitoring reports demonstrating compliance with this requirement were submitted to EPA on the dates indicated.</p>  | U1, U2, U3                   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>Excess Emissions EPA</p> <p>04 / 07 /</p> |
| <p>emission survey, with follow up Method 9 within 24 hours if visible emissions are observed (Condition II.C.5, II.D.1, II.D.2, II.E.2, and II.E.3). Visible emissions from transfer point ≤ 7% opacity, and fugitive emissions ≤ 10% opacity, pursuant to NSPS Subpart OOO.</p> <p>Monitoring reports demonstrating compliance with this condition are included in Attachment 2 of this report.</p>   | DC9, DC10, DC11              | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |  |
| <p>Permit term and at other times specified by the EPA, conduct PM performance tests for exhaust from DC9, DC10, and DC11 at least once per year (Condition II.E.1). Conduct a performance test within 120 days if visible emissions are observed 3 times from any one baghouse during a 2-month period (Condition II.E.1).</p> <p>A performance test was conducted as required during the current permit term (i.e., prior to 7/3/2013). A report demonstrating compliance with this requirement was submitted to EPA on 10/20/2009. Performance testing was completed in November 2009 in compliance with Condition II.E.1. A report demonstrating compliance with this requirement was submitted to EPA on 10/20/2009.</p> | DC9, DC10, DC11              | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>01 /</p> <p>Attachment</p>                |
| <p>At the time of installation of the low-NO<sub>x</sub> burners, install, and thereafter operate, maintain, certify, and quality assure CEMS for CO (Condition IX.E.1 of PSD Permit AZ-08-01A). Submit CO CEMS performance test protocol 30 days prior to test date, and results of performance tests within 30 days of completion (Conditions IX.E.5 and IX.E.6 of PSD Permit AZ-08-01A).</p> <p>Performance tests were conducted and the subsequent test results were submitted on the low-NO<sub>x</sub> burners on Unit 3 in 2009, Unit 2 in 2010, and Unit 1 in 2011.</p>   | U3<br>U2<br>U1               | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>06 / 07 / 06 /</p> <p>Attachment</p>      |



## Monitoring Report)

all required monitoring, data, or analyses required by the permit for the reporting period. Describe and cross-reference the permit term and list the emission units (Unit IDs) where the monitoring is required. Indicate whether a separate monitoring report is required, and if required, enter the date submitted. If submitted for the first time as an attachment to this form, assign an attachment ID, mark the attachment as required, and attach the report to this form.

| Monitoring, Data, or Analysis Required by the Permit  | Emission Units<br>(Unit IDs) | Separate<br>Monitoring<br>Report?                                      | Date of Submission                                   |
|---|------------------------------|--|--|
| <p>all startup of low-NO<sub>x</sub> burners, NO<sub>x</sub> ≤ 0.24 lb/MMBtu (Condition IX.B.2 of PSD Permit AZ-08-01A), CO ≤ 0.23 lb/MMBtu on a 12-month rolling average basis (Condition IX.B.1.a of PSD Permit AZ-08-01A) and CO ≤ 0.15 lb/MMBtu on a 12-month rolling average basis (Condition IX.B.1.a of PSD Permit AZ-08-01A). Submit excess emission reports semiannually 30 days after the end of each calendar quarter (Condition IX.C.5 of PSD Permit AZ-08-01A).</p> <p>Monitoring compliance with this requirement were submitted to EPA on the date indicated.</p>                                      | U1, U2, U3                   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>Excess Emissions Report<br/>EPA Form 4040-107</p> |
| <p>30-day initial performance test for NO<sub>x</sub> and CO with the CEMS starting the day after successful completion of the performance test (Condition IX.F of PSD Permit AZ-08-01A). Submit report within 30 days of completion (Condition IX.F of PSD Permit AZ-08-01A).</p> <p>Test results were submitted for Units 1, 2 and 3 in 2011, 2010 and 2009, respectively</p>   | U3<br>U2<br>U1               | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>06/07/06/07/06/07/</p> <p>Attachment</p>          |
| <p>12-month Demonstration Period for each LNB/SOFA system, the Permittee shall submit to EPA a written report together with CEMS data showing actual CO emissions which evaluates whether a lower CO emissions limit can be consistently and reliably achieved while maintaining NO<sub>x</sub> emission levels at or below 0.24 lb/MMBtu on a 30-day rolling average (Condition IX.C.5 of PSD Permit AZ-08-01A).</p> <p>Monitoring compliance with this requirement were submitted to EPA for Unit 2 and 3 in 2011 and 2010 respectively. A 12-Month Demonstration Report was submitted on 7/10/2012 for Unit 1.</p> | U3<br>U2<br>U1               | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>11/01/07/</p> <p>Attachment</p>                   |
| <p>CO emissions from Units 1, 2, and 3, averaged over any 3-hour period, on a plantwide basis (NGS FIP - 40 CFR §49.24(d)(1)). Maintain CEMS for SO<sub>2</sub> on Units 1, 2 and 3 in accordance with 40 CFR 60.8 and 60.13(e), (f), and (h), and Appendix B of Part 60. Comply with assurance procedures for CEMS found in 40 CFR Part 75 (NGS FIP - 40 CFR §49.24(e)(1)).</p> <p>Monitoring compliance with this requirement were submitted to EPA on the dates indicated.</p>   | U1, U2, U3                   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>Excess Emissions Report<br/>EPA Form 4040-107</p> |
| <p>CO emissions from Units 1, 2, and 3, averaged over any 3-hour period, on a plantwide basis, as determined by annual mass emissions tests conducted on Units 1, 2, and 3, operating at rated capacity (NGS FIP - 40 CFR §49.24(d)(2) and §49.24(e)(2)).</p> <p>Monitoring compliance with this requirement was submitted to EPA on the date indicated.</p>  | U1, U2, U3                   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>01/</p> <p>Attachment</p>                         |
| <p>CO emissions from Units 1, 2, or 3 ≤ 20%, excluding condensed uncombined water droplets, averaged over any six (6) minute period. CO emissions from Units 1, 2 or 3 ≤ 40% opacity, averaged over six (6) minutes, during absorber upset transition periods. Maintain and operate CEMS on Units 1, 2, and 3 in accordance with CFR 60.8 and 60.13(e), (f), and (h), and Appendix B of Part 60, and comply with the assurance procedures in 40 CFR Part 75 (NGS FIP - 40CFR §49.24(d)(4) and §49.24(e)(1)).</p> <p>Monitoring compliance with this requirement were submitted to the EPA on the dates indicated.</p> | U1, U2, U3                   | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | <p>Excess Emissions Report<br/>EPA Form 4040-107</p> |



## Monitoring Report)

all required monitoring, data, or analyses required by the permit for the reporting period. Describe and cross-reference the permit term and list the emission units (Unit IDs) where the monitoring is required. Indicate whether a separate monitoring report is required, and if required, enter the date submitted. If submitted for the first time as an attachment to this form, assign an attachment ID, mark the attachment as required, and attach the report to this form.

| Monitoring, Data, or Analysis Required by the Permit   | Emission Units<br>(Unit IDs) | Separate<br>Monitoring<br>Report?                                      | Date of Submission<br>or Submittal c |
|--|------------------------------|--|--------------------------------------|
| Maintain the existing dust suppression methods for controlling dust from the coal handling and storage facilities. Submit a report of dust suppression methods for controlling dust from the coal handling and storage facilities, fly ash handling and storage, and activities. Opacity < 20% from any crusher, grinding mill, screening operation, belt conveyer, truck loading and unloading and unloading station, as determined using 40 CFR Part 60, Appendix A-4, Method 9 (NGS FIP – 40CFR §49.24(d)(3)).<br><br>Monitoring compliance with these requirements are maintained on site. | Fugitive Dust                | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | 6 /<br>Attachment                    |
| Each year in which an auxiliary boiler is operated for 720 hours or more, and at other times as requested by the Administrator, emissions tests for SO <sub>2</sub> , NO <sub>x</sub> , and /or PM on the auxiliary steam boilers, operating at rated capacity, using oil that is representative of the oil used. (NGS FIP – 40CFR §49.24(e)(3)).<br><br>The boiler was not operated for more than 720 hours this year, and no testing has been requested. Therefore, no testing was required this reporting period.   | Aux Boiler                   | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | —<br>Attachment                      |
| Operated ambient monitors at Glen Canyon Dam for PM <sub>2.5</sub> , PM <sub>10</sub> , NO <sub>x</sub> , SO <sub>2</sub> and ozone. Report data annually to the Regional Administrator. (NGS FIP – 40CFR §49.24(e)(6)).<br><br>Monitoring compliance with this requirement was submitted to the EPA on the date indicated.  | Ambient Monitors             | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | 02<br>Attachment                     |
| Record and report parameters according to the requirements in the CAM plan. Excursions or exceedances shall be reported and a Quality Assurance Plan (QIP) shall be implemented if excursions occur (Condition II.C of Permit Reopening)<br><br>Monitoring compliance with these requirements are maintained on site.  | U1, U2, U3                   | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | —<br>Attachment                      |



Copy this page as many times as necessary to include all such deviations. Describe and cross reference the permit terms and report the start and end dates and times of the deviations (mo/day/yr, hr:min). Use the 24-hour clock. Also specify the date when the written deviation report was submitted to the permitting authority (If written report required, but not submitted, leave the date field blank). Note that failure to submit a deviation report, or late submittal, is a deviation that must be reported in the Section D.

Permit Term for Which There was a Deviation: No deviations to report

Emission Units (unit IDs):

Deviation Start \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_ End:\_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_

Date Written Report Submitted \_\_\_\_/\_\_\_\_/\_\_\_\_

Permit Term for Which There was a Deviation:

Emission Units (unit IDs):

Deviation Start \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_ End:\_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_

Date Written Report Submitted \_\_\_\_/\_\_\_\_/\_\_\_\_

Permit Term for Which There was a Deviation:

Emission Units (unit IDs):

Deviation Start \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_ End:\_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_

Date Written Report Submitted \_\_\_\_/\_\_\_\_/\_\_\_\_

Permit Term for Which There was a Deviation:

Emission Units (unit IDs):

Deviation Start \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_ End:\_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_

Date Written Report Submitted \_\_\_\_/\_\_\_\_/\_\_\_\_



cross-reference the permit terms and emission units that apply to the deviation. Copy this page as many times as necessary to include all such deviations. Report the beginning and ending times (mo/day/yr, hr:min) for each deviation. Use the 24-hour clock. Briefly explain (if known) the probable cause of each deviation. If any corrective actions or preventative measures have been taken to avoid these in the future, briefly describe the measures, including when they occurred.

Permit Term (for Which There is a Deviation): No deviations to report

Emission Units (unit IDs)

Deviation Start: \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_ End: \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_

Probable Cause of Deviation:

Corrective Actions or Preventative Measures Taken:

Permit Term (for Which There is a Deviation):

Emission Units (unit IDs)

Deviation Start: \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_ End: \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_

Probable Cause of Deviation:

Corrective Actions or Preventative Measures Taken:

Permit Term (for Which There is a Deviation):

Emission Units (unit IDs)

Deviation Start: \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_ End: \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_:\_\_\_\_

Probable Cause of Deviation:

Corrective Actions or Preventative Measures Taken:



**Attachment 2. Summary of Limestone Handling System  
Visible Emissions Observations**



Period beginning: 01 / 01 / 12  
 Period ending: 06 / 30 / 12

| Date     | Units Observed  | Observer Initials | Visible Emissions?  | Comments |
|----------|-----------------|-------------------|---|----------|
| 01/03/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 01/09/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 01/16/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 01/23/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 01/30/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 02/08/12 | DC9, DC10, DC11 | JRA               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 02/13/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 02/20/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 02/27/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 03/05/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 03/13/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 03/19/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 03/26/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 04/02/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 04/09/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 04/16/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 04/23/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 04/30/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 05/07/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 05/14/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 05/21/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 05/29/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 06/04/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 06/11/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 06/28/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |
| 06/25/12 | DC9, DC10, DC11 | WHB               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |          |



### **Attachment 3. Certification of Truth, Accuracy, and Completeness**



## CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS (CTAC)

This form must be completed, signed by the "Responsible Official" designated for the facility or emission unit, and sent with each submission of documents (i.e., application forms, updates to applications, reports, or any information required by a part 71 permit).

### A. Responsible Official

Name: (Last) Talbot (First) Robert (MI) K

Title Plant Manager

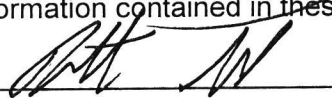
Street or P.O. Box P.O. Box 850

City Page State AZ ZIP 86040 -

Telephone ( 928 ) 645 - 6217 Ext.  Facsimile ( 928 ) 645 - 7298

### B. Certification of Truth, Accuracy and Completeness (to be signed by the responsible official)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, the statements and information contained in these documents are true, accurate and complete.

Name (signed) 

Name (typed) Robert K. Talbot Date: 7 / 30 / 2012

